

Amendments to the Claims

Please amend the claims as follows:

1. (Currently Amended): A short message service gateway, comprising:
a short message interfacing device for receiving/sending short messages from/to outside of the short message service gateway;
a short message service engine, in response to a request for information service included in a short message received by the short message interfacing device, for requesting the information service from at least one application server and receiving result of the information service, and then sending the result of the information service back to the short message interfacing device in a form of short message; and
an apparatus administrating device, for administrating a plurality types of mobile telephones based on an apparatus profile.

2. (Original): The short message service gateway according to claim 1, characterized in that the short message interfacing device is a short message daemon communicating with at least one short message apparatus.

3. (Original): The short message service gateway according to claim 1, characterized in that the short message interfacing device is a short message center interface communicating with at least one short message center.

4. (Original): The short message service gateway according to claim 1, characterized by further comprising:
a short message center administrating device, for administrating a plurality of short message centers based on a short message center profile.

5. (Original): The short message service gateway according to claim 1, characterized by further comprising:
a user administrating device, for administrating a plurality of users based on a user profile.

6. (Cancelled).

7. (Original): The short message service gateway according to claim 1, characterized by further comprising:
an application administrating device, for administrating a plurality of application servers based on an application profile.

8. (Original): The short message service gateway according to claim 1, characterized in that the short message service engine, based on items of information service for which a user has subscribed, requests the information service from at least one application server and receives the result of the information service, and then sends the result of the information service back to the short message interfacing device in a form of short message.

9. (Currently Amended): A system of providing information service for mobile telephones, comprising:
at least one application server, for receiving requests for information service, and providing results of the information service;
at least one short message center, for forwarding short messages from/to the mobile telephones;
characterized by further comprising:
a short message service gateway, comprising:
a short message center interface for receiving /sending short messages from/to at least one short message center; and
a short message service engine, in response to a request for information service included in a short message received by the short message center interface, for requesting the information service from said at least one application server and receiving result of the information service, and then sending the result of the information service back to the short message center interface in a form of short message;

a short message center administrating device, for administrating a plurality of short message centers based on a short message center profile.

10. (Original): The system according to claim 9, characterized in that the short message service gateway further comprises:

a short message center administrating device, for administrating a plurality of short message centers based on a short message center profile.

11. (Original): The system according to claim 9, characterized in that the short message service gateway further comprises:

a user administrating device, for administrating a plurality of users based on a user profile.

12. (Original): The system according to claim 9, characterized in that the short message service gateway further comprises:

an apparatus administrating device, for administrating a plurality types of mobile telephones based on an apparatus profile.

13. (Original): The system according to claim 9, characterized in that the short message service gateway further comprises:

an application administrating device, for administrating a plurality of application servers based on an application profile.

14. (Previously Presented): The system according to claim 9, characterized in that the short message service engine, based on items of information service for which a user has subscribed, requests the information service from said at least one application server and receives the result of the information service, and then sends the result of the information service back to the short message center interface in a form of short message.

15. (Original): A system of providing information service for mobile telephones, comprising:

at least one application server, for receiving requests for information service, and providing results of the information service;

at least one short message apparatus, for forwarding short messages from/to the mobile telephones;

characterized by further comprising:

a short message service gateway comprising:

a short message daemon, for receiving/sending short messages from/to said at least one short message apparatus; and

a short message service engine, in response to a request for information service included in a short message received by the short message daemon, for requesting the information service from said at least one application server and receiving result of the information service, and then sending the result of the information service back to the short message daemon in a form of short message;

wherein the at least one short message apparatus comprises a graphical user menu for graphically requesting the information service in lieu of entering a service code.

16. (Original): The system according to claim 15, characterized in that the short message service gateway further comprises:

user administrating device, for administrating a plurality of users based on a user profile.

17. (Original): The system according to claim 15, characterized in that the short message service gateway further comprises:

an apparatus administrating device, for administrating a plurality types of mobile telephones based on an apparatus profile.

18. (Original): The system according to claim 15, characterized in that the short message service gateway further comprises:

an application administrating device, for administrating a plurality of application servers based on an application profile.

19. (Original): The system according to claim 15, characterized in that the short message service engine, based on items of information service for which a user has subscribed, requests the information service from said at least one application server and receives the result of the information service, and then sends the result of the information service back to the short message daemon in a form of short message.

20. (Currently Amended): A method of providing information service for mobile telephones, characterized by comprising steps of:

- a) receiving ~~a short message~~ a personal key input from a mobile telephone;
- b) transforming the personal key input into a short message, the short message comprising an information service code;
- ~~bc)~~ extracting ~~an the~~ the information service code from the short message;
- ~~ed)~~ based on the information service code, retrieving results of the information service from at least one application server; and
- ~~de)~~ combining the results of the information service into a short message and sending the short message to the mobile telephone.

21. (Currently Amended): The method according to claim 20, characterized in that said steps ~~ab)~~ and ~~de)~~ are performed by way of short message apparatus.

22. (Cancelled).

23. (Currently Amended): The method according to claim 20, characterized by further comprising a step of obtaining the information service code based on items of the information service for which a use has subscribed, without performing said steps a) ~~and~~, b) and c).

24. (New): The method of claim 20, wherein the step of receiving a personal key input from a mobile telephone comprises:

- receiving an abbreviated form of the short message from a mobile telephone.

25. (New): The method of claim 20, wherein the step of receiving a personal key input from a mobile telephone comprises:

receiving a personal key input from a mobile telephone, wherein the personal key input is in a language different than the short message.